BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Construction of Culverts and Reparis, Reconstructions of Secondary Nala in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.

								Estimate Cost Rs.	1500000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 138 / Item No. 19.2 / PWD SR 2014-15**	Cum							
	Culvert		4	6.00	2.00	1.20	57.60		
			1	90.00	0.60	0.90	48.60		
			1	103.00	0.60	0.85	52.53		
							158.40	105.84	**16765.00**
	Basic Rate	98.00							
	Area Weightage @8%	7.84							
	Total	**105.84**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2014-15**	Cum							
	Culvert		4	6.00	1.80	0.15	6.48		
	SSM Drain kamath Layout		1	90.00	1.00	0.15	13.50		
			1	103.00	1.00	0.15	15.45		
							35.64	4847.04	**172749.00**
	Basic Rate	4488.00							
	Area Weightage @8%	359.04							
	Total	**4847.04**							
3	KSRB 5.4-3: Providing and constructing granite / trap / basalt size stone masonry in **superstructure with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 23 / Item No. 5.12 / PWD SR 2014-15**	Cum							
			4x2	6.00	0.60	0.90	25.92		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	CSM Drain kamath Layout reconstruction		2	90.00	0.60	0.50	54.00		
			2	103.00	0.60	0.50	61.80		
							142.56	4773.60	**680524.00**
	Basic Rate	4420.00							
	Area Weightage @ 8%	353.60							
	Total	**4773.60**							
4	KSRB 15.1.4: Providing ruled pointing to coursed stone masonry with cement mortar 1:4, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications cement mortar 1:4. **Page No. 109 / Item No. 15.4 / PWD SR 2014-15**	Sqm							
			4x2	6.00		0.80	38.40		
			2	90.00		0.45	81.00		
			2	103.00		0.45	92.70		
							211.20	92.88	**19616.00**
	Basic Rate	86.00							
	Area Weightage @ 8%	6.88							
	Total	**92.88**							
5	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12/ Item No. 4.6/ PWD SR 2014-15**	Cum							
	Pointing		4	6.00	1.80	0.10	4.32		
	Ramp		4x2	6.00	1.00	0.15	7.20		
			1	90.00	0.90	0.15	12.15		
			1	103.00	0.90	0.15	13.91		
							37.62	5327.64	**200426.00**
	Basic Rate	4933.00							
	Area Weightage @ 8%	394.64							
	Total	**5327.64**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
6	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **No. 13/ Item No. 4.11/ PWD SR 2014-15**	Cum							
	Culvert Deck Slab		4	6.00	1.80	0.23	9.94		
	Covering Slab Kamatha layout		1	90.00	0.90	0.10	8.10		
			1	103.00	0.90	0.10	9.27		
							27.32	6065.28	**165703.00**
	Basic Rate	5616.00							
	Area Weightage @ 8%	449.28							
	Total	**6065.28**							
7	KSRB 4.9.1: **Providing mild steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 **Page No. 17 / Item No. 4.45 / PWD SR 2014-15**	Qtl							
	For Roof, Columns @ 90 Kg / Cum		0.90	27.32			**24.59**	7975.80	**196109.00**
	Basic Rate	7385.00							
	Area Weightage @ 8%	590.80							
	Total	**7975.80**							
8	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.31/ PWD SR 2014-15**	Sqm							
			2	90.00	0.15		27.00		
			2	103.00	0.15		30.90		
			4	6.00	0.60		14.40		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			6x2	5.00		0.23	13.80		
			12x2	1.80		0.23	9.94		
							79.90	292.68	**23384.00**
	Basic Rate	271.00							
	Area Weightage @ 8%	21.68							
	Total	**292.68**							
9	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km	Cum							
			Vide Item No. 1				**129.89**	73.57	**9556.00**
	Average weight of earth 1.28 tonne / kg for 2x1.28x2.00=5.12	5.12							
	Add loading and unloading charges Vide item no.17.1 P.no.130	63.00							
		68.12							
	Area Weightage @ 8%	5.45							
	Total	**73.57**							
10	Sub Total								**1484886.00**
11	Third Party Inspection Charges @ 1%								**14849.00**
12	Miscesallaneous Charges	L/S							**265.00**
								Total	**1500000.00**

(Rupees Fifteen Lakhs Only)

fifteen lakhs only

P-1771

to conditions contained

AE/JE

EE (BTP Div.)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15.
3 This work included under POW Grants 2014-15.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Junior Engineer
Ward No. 11

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVELY SANCTIONED FOR Rs. 15.00 Lakhs

Rupees fifteen Lakhs only.

Under P+1771

Registered as EE ( ) No 3...9...

Subject to conditions contained in

enclosed memo EE ( ) No ...../9/...

Dt ..... Estimate A/Sanctioned

..... No 1110/14-15

dated ..... Rs 15.00 Lakhs

Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92

Technical Sanction for Rs. 15.00 Lakhs
Fifteen Lakhs only

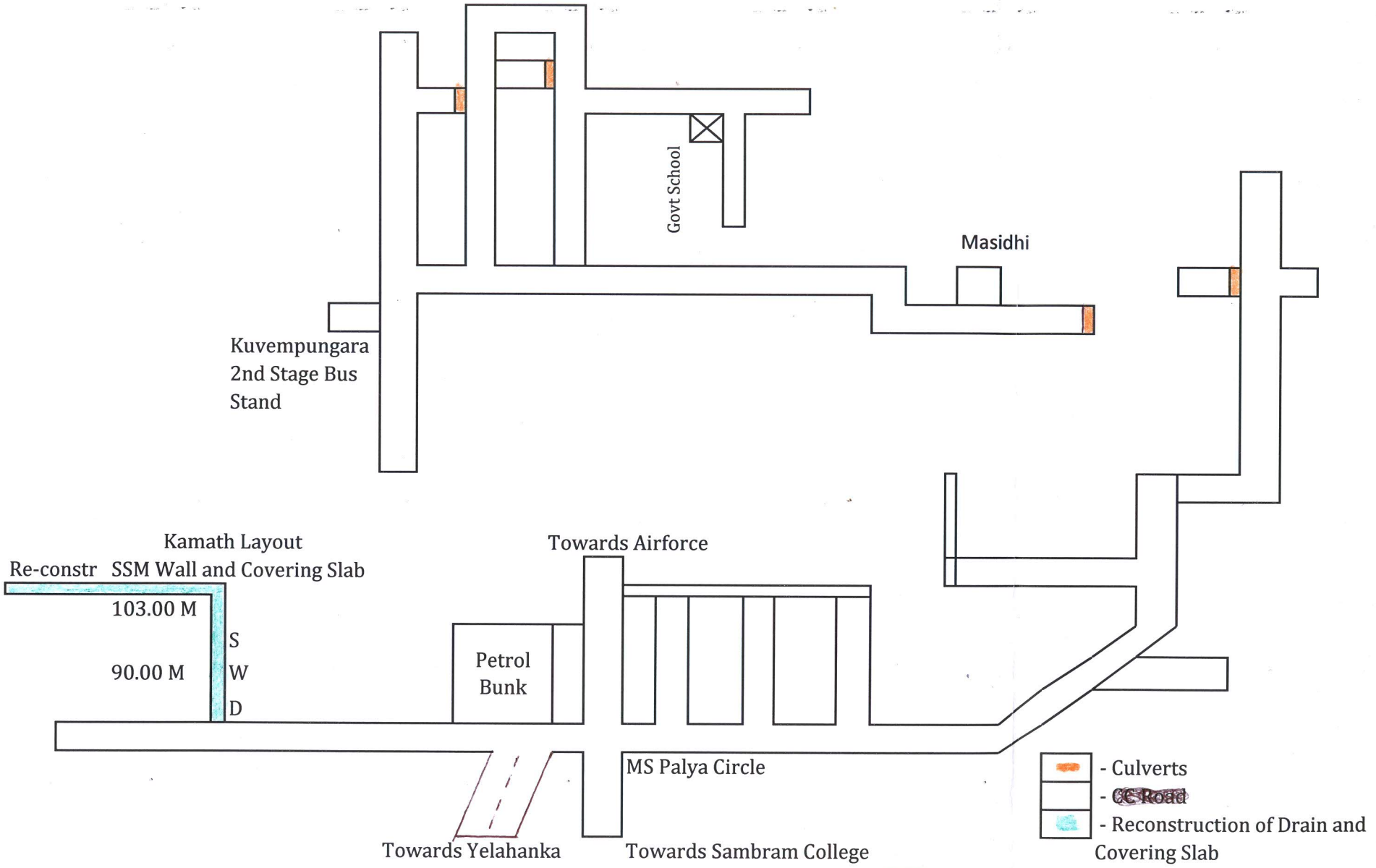
200/14-15, 29/10/14

Registered as EE No: ..... Dated ..... Subject to conditions contained enclosed memo.

No: TS/EE/200/14-15 Dt. 29-10-14

EE (BTP Div.)

Sketch for the Work of Construction of Culverts and Repairs, Reconstructions of Secondary Nala in Ward No. 11 (Kuvempunagara) Vidyaranyapura Sub Division.



Junior Engineer
Ward No. 11

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ಯಲಹಂಕ ವಲಯ,
ಬೃ. ಬೆಂ. ಮ ಸಾ. ಬೆಂಗಳೂರು-9